

Project Title	Funding	Institution
Functional study of synaptic scaffold protein SHANK3 and autism mouse model	\$150,000	Duke University
The role of SHANK3 in autism spectrum disorders	\$0	Mount Sinai School of Medicine
Using zebrafish and chemical screening to define function of autism genes	\$0	Whitehead Institute for Biomedical Research
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	\$315,375	University of California, San Francisco
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	\$377,663	Salk Institute for Biological Studies
Characterization of synaptic and neural circuitry dysfunction underlying ASD-like behaviors using a novel genetic mouse model	\$0	Duke University
Quantitative analysis of effect of autism-related genes on behavioral regulation	\$102,000	University of California, San Francisco
Genomic imbalances at the 22q11 locus and predisposition to autism	\$0	Columbia University
Shank3 mutant characterization in vivo	\$0	University of Texas Southwestern Medical Center
Investigating the effects of chromosome 22q11.2 deletions	\$300,000	Columbia University
Roles of oxytocin and vasopressin in brain	\$1,990,068	National Institutes of Health
Studies of genetic and metabolic disorders, autism and premature aging	\$1,667,480	National Institutes of Health
Mechanisms of stress-enhanced aversive conditioning	\$381,250	Northwestern University
Patient iPS cells with copy number variations to model neuropsychiatric disorders	\$336,050	The Hospital for Sick Children
Cerebellar signaling in mouse models of autism	\$125,000	Northwestern University
Behavioral and physiological consequences of disrupted Met signaling	\$400,000	University of Southern California
Role of Caspr2 (CNTNAP2) in brain circuits- Core	\$89,999	Weizmann Institute of Science
Effects of chronic intranasal oxytocin	\$568,507	University of California, Davis
Characterization of the schizophrenia-associated 3q29 deletion in mouse	\$404,198	Emory University
Exploring the neuronal phenotype of autism spectrum disorders using induced pluripotent stem cells	\$366,529	Stanford University
Synaptic pathophysiology of 16p11.2 model mice	\$125,000	Massachusetts Institute of Technology
Neurobiological signatures of social dysfunction and repetitive behavior	\$395,672	Vanderbilt University Medical Center
Novel genetic models of autism	\$337,875	University of Texas Southwestern Medical Center
16p11.2: defining the gene(s) responsible	\$350,000	Cold Spring Harbor Laboratory
Dissecting the circuitry basis of autistic-like behaviors in mice	\$350,000	Massachusetts Institute of Technology
The genetic control of social behavior in the mouse	\$342,540	University Of Hawai'i at Manoa
Role of RAS/RAF/ERK pathway in pathogenesis and treatment of autism	\$0	New York State Institute for Basic Research in Developmental Disabilities
Cell type-specific profiling for autism spectrum disorders	\$120,000	Columbia University
Control of synaptic protein synthesis in the pathogenesis and therapy of autism	\$294,937	Massachusetts General Hospital
Novel therapeutic targets to treat social behavior deficits in autism and related disorders	\$0	University of Texas Health Science Center at San Antonio

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Serotonin, autism, and investigating cell types for CNS disorders	\$246,794	Washington University in St. Louis
Animal model of speech sound processing in autism	\$283,249	University of Texas at Dallas
Identifying therapeutic targets for autism using Shank3-deficient mice	\$484,667	Mount Sinai School of Medicine
Insight into MeCP2 function raises therapeutic possibilities for Rett syndrome	\$290,087	University of California, San Francisco
Animal models Of neuropsychiatric disorders	\$974,415	National Institutes of Health
Neural and cognitive mechanisms of autism	\$0	Massachusetts Institute of Technology
Neurologin function in vivo: Implications for autism and mental retardation	\$388,575	University of Texas Southwestern Medical Center
Striatal synaptic abnormalities in models of autism	\$397,396	University of Texas Southwestern Medical Center
Autism iPSCs for studying function and dysfunction in human neural development	\$460,152	Scripps Research Institute
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	\$0	Massachusetts Institute of Technology
Examination of the mGluR-mTOR pathway for the identification of potential therapeutic targets to treat fragile X	\$0	University of Pennsylvania
Impact of an autism associated mutation in DACT1 on brain development and behavior	\$45,000	University of California, San Francisco
A mouse model for human chromosome 7q11.23 duplication syndrome	\$0	University of Toronto
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	University of North Carolina at Chapel Hill
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	University of North Carolina at Chapel Hill
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	University of North Carolina at Chapel Hill
Novel probiotic therapies for autism	\$0	California Institute of Technology
Oxytocin receptors and social behavior	\$440,363	Emory University
Evaluating hyperserotonemia as a biomarker of sensory dysfunction in autism spectrum disorder	\$28,600	Vanderbilt University
Modeling the serotonin contribution to autism spectrum disorders	\$236,532	Vanderbilt University Medical Center
Investigating the role of CNTNAP2 gene in vocal learning in mutant songbirds	\$249,063	University of Massachusetts Medical School
The role of glutamate receptor interacting proteins in autism	\$312,500	Johns Hopkins University School of Medicine
Dissecting the neural control of social attachment	\$764,775	University of California, San Francisco
Using induced pluripotent stem cells to identify cellular phenotypes of autism	\$792,000	Stanford University
Transgenic and knockout approaches to study protocadherin function	\$228,750	The Ohio State University
Studying the neural development of patient-derived stem cells	\$156,250	Johns Hopkins University School of Medicine
The genetic and neuroanatomical origin of social behavior	\$391,250	Baylor College of Medicine

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Role of astrocytic glutamate transporter GLT1 in fragile X	\$40,000	Tufts University
Deficits in tonic inhibition and the pathology of autism spectrum disorders	\$156,250	Tufts University
Temporally controlled genetic rescue of Shank3 autism model	\$60,000	University of Texas Southwestern Medical Center
Role of cadherin-8 in the assembly of prefrontal cortical circuits	\$155,940	Mount Sinai School of Medicine
16p11.2 deletion mice: autism-relevant phenotypes and treatment discovery	\$200,000	University of California, Davis
Effect of abnormal calcium influx on social behavior in autism	\$156,250	University of California, San Francisco
Tooth pulp as a source for neuronal precursor cells to study neurogenetic disorders	\$187,344	University of Tennessee Health Science Center
Understanding copy number variants associated with autism	\$125,000	Duke University Medical Center
16p11.2 deletion mice: Autism-relevant phenotypes and treatment discovery	\$200,000	Stanford University
Integrative system biology of iPSC-induced neurons for identifying novel drug targets	\$55,200	Baylor College of Medicine
Identifying high-impact therapeutic targets for autism spectrum disorders using rat models	\$137,173	Mount Sinai School of Medicine
Novel approaches to enhance social cognition by stimulating central oxytocin release	\$149,852	Emory University
PsychoGenics Inc.	\$147,925	PsychoGenics Inc.
Role of Caspr2 (CNTNAP2) in brain circuits - Project 2	\$79,584	University of California, Los Angeles
Role of UBE3A in neocortical plasticity and function	\$77,686	University of North Carolina at Chapel Hill
Role of Caspr2 (CNTNAP2) in brain circuits - Project 1	\$79,525	Universidad Miguel Hernandez
Perinatal choline supplementation as a treatment for autism	\$62,500	Boston University
Small-molecule compounds for treating autism spectrum disorders	\$350,000	University of North Carolina at Chapel Hill
Identifying therapeutic targets for autism using Shank3-deficient mice (supplement)	\$121,077	Mount Sinai School of Medicine
A probiotic therapy for autism	\$62,500	California Institute of Technology
Cellular and molecular pathways of cortical afferentation in autism spectrum disorders	\$0	University of Geneva
Integrated approach to the neurobiology of autism spectrum disorders	\$0	Yale University
OCT blockade to restore sociability in 5-HT transporter knock-out mice	\$74,250	University of Texas Health Science Center at San Antonio
Rat knockout models of ASD	\$100,441	Baylor College of Medicine
Role of a novel Wnt pathway in autism spectrum disorders	\$300,000	University of California, San Francisco
Cellular and genetic correlates of increased head size in autism spectrum disorder	\$393,455	Yale University
Mechanism and treatment of ASD related behavior in the Cntnap2 knockout mouse model	\$58,000	University of California, Los Angeles
Effects of oxytocin receptor agonists in mouse models of autism spectrum disorder phenotypes	\$48,500	University of North Carolina at Chapel Hill

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Using induced-pluripotent stem cells to study Phelan McDermid Syndrome	\$40,000	Stanford University School of Medicine
Training in translational social neuroscience	\$98,163	Emory University
Developing a new model system to study mechanisms of attention control	\$0	Stanford University
Establishing next-generation tools for quantitative behavioral phenotyping	\$60,000	Harvard Medical School
Novel genetic models of autism (supplement)	\$99,773	University of Texas Southwestern Medical Center
Functional analysis of rare variants in genes associated with autism	\$146,625	Yale University
Preclinical therapeutic target validation of glutamate receptors in Shank3 models of autism	\$56,900	University of Texas Southwestern Medical Center
Adverse prenatal environment and altered social and anxiety-related behaviors	\$45,000	University of Pennsylvania
Synaptic and circuitry mechanisms of repetitive behaviors in autism	\$47,041	Massachusetts Institute of Technology

